

In the Claims:

Please cancel claims 1-7 without prejudice.

Please amend the claims as follows.

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8. (Amended) An apparatus for producing acrylic acid or acrolein, comprising:
- a) an evaporator for gasifying liquefied propylene and/or propane,
  - b) means for supplying a liquid coolant to said evaporator,
  - c) means for chilling the coolant in the evaporator by recovering latent heat of the liquefied propylene and/or propane,
  - d) means for subjecting resultant gasified propylene and/or propane to a catalytic gas phase oxidation reaction thereby preparing a gas containing acrylic acid or acrolein, and
  - e) means for circulating coolant from the evaporator to heat exchangers attached to the apparatus.

9. (Amended) An apparatus according to claim 8, wherein said means for chilling the coolant includes means for adjusting a temperature of said liquid coolant or means for adjusting a flow amount thereof.

10. (Amended) An apparatus according to claim 8, which further comprises means for circulating coolant used in said heat exchangers to the means for chilling the coolant.

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Please add the following new claims.

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11. (New) A method for producing acrylic acid or acrolein, comprising: gasifying liquefied propylene and/or propane in an apparatus of claim 8.

12. (New) A method for producing acrylic acid or acrolein, comprising: gasifying liquefied propylene and/or propane in an apparatus of claim 9.

13. (New) A method for producing acrylic acid or acrolein, comprising: gasifying liquefied propylene and/or propane in an apparatus of claim 10.

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